

BARCO

BARCO PROJECTION SYSTEMS

BARCO

Lamp 6300
Kit

R9829900

INSTALLATION MANUAL

KIT LAMP FOR 6300 PROJECTORS

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Due to constant research, the information in this manual is subject to change without notice.

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Safety

Who

This procedure is intended for use only by qualified service technicians who have been trained and authorized by BARCO !

Hot Surface and Risk of Explosion.

Switch the projector to stand by and let it cool down for at least 15 minutes before starting with the lamp replacement.

These lamps consist of a quartz arc tube operating at very high temperature and high pressure (20 bar) which may explode suddenly. There is a risk of personal injury and property damage from hot quartz arc tube particles if handled incorrectly.

Risk of Electrical Shock.

Power down the projector and unplug the power cord from the wall outlet.

Once the projector is cooled down and the power is off, continue with the replacement procedure.

Lamp Life Time Warning

The total lifetime of the lamp for safe operation is 750 hours maximum in normal power mode.

Do not use it longer ! Always replace the lamp with the BARCO lamp kit for 6300 projectors.

Contents of the Kit

Lamp Type The kit contains a Metal Halide projection Lamp mounted in a housing together with the reflector.

Precautions Do not touch the lamp with your fingers otherwise the lifetime of the lamp will be reduced.
If the lamp is touched, finger prints can be removed by cleaning the lamp with alcohol.

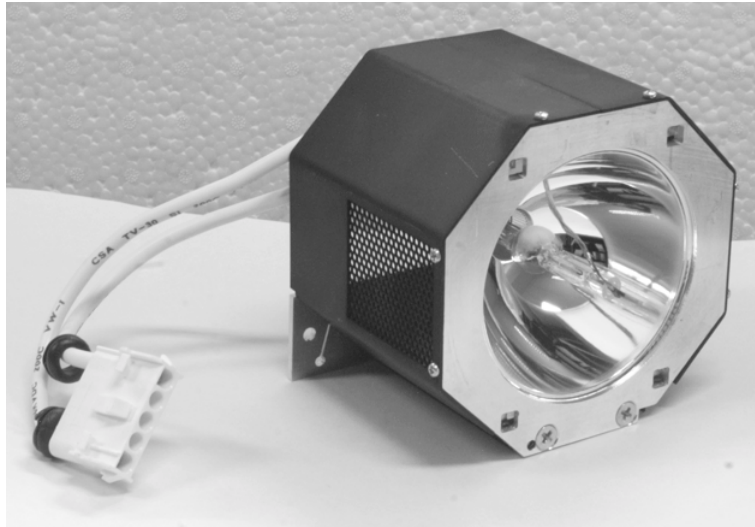
Lamp Serial Number Each new lamp is marked with a serial number (6 digits). Write down this number in the forseen area. The serial number has to be programmed when resetting the lamp run time.

Serial number lamp :

Part Listing The following parts are in the kit :

Part Number	Description	Indication
R808017	FRMC G6300 LMP HSG +LMP	1
R5975949	MAN INS G6300 LMP	

Illustration of the Kit



Access to the Lamp Unit.

What has to be done

- The lamp house door has to be opened.
- The lamp protection cover has to be removed.

Necessary Tools

- a flat screwdriver 5 mm

Opening the Lamp House Door.

To open the lamp house door, follow the next procedure:

Step	Action	Image
1	Turn with a screwdriver a quarter turn counter clockwise.	1
2	Open the door a little.	2
3	Unhook the door from its fixing points.	

Illustrations on Opening the Lamp House Door.

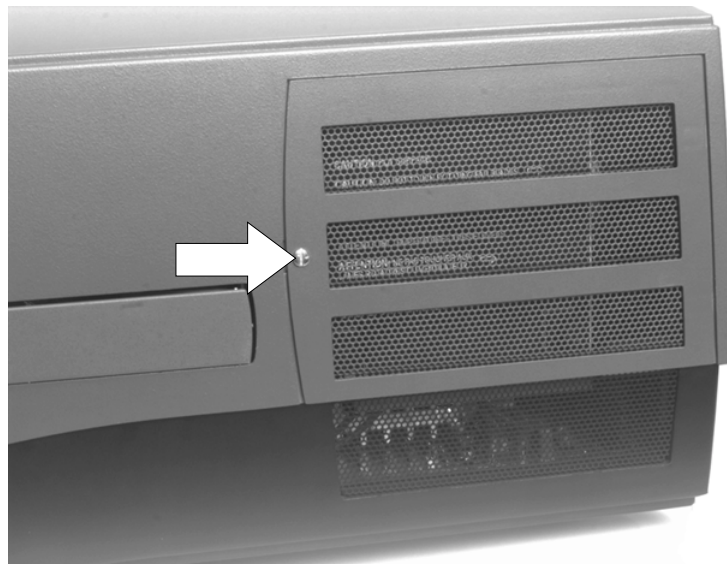


Image 1



Image 2

To be continued on next page.

Access to the Lamp Unit (Continued)

Removing the Protection Cover

To remove the protection cover, follow the next procedure:

Step	Action	Image
1	Loosen with a screwdriver the four indicated bolts.	1
2	Pivote the plate a little downwards.	
3	Take out the protection cover.	

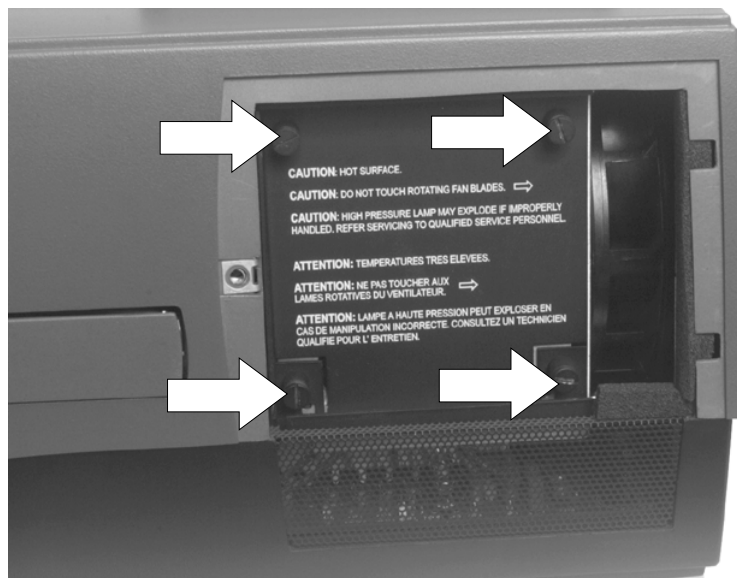
Caution

Hot surface.

Do not touch rotating fan blades.

High pressure lamp may explode if improperly handled. Refer servicing to qualified service personnel.

Illustrations on Removing the Protection Cover



Removing the Lamp Unit.

What has to be done

- The lamp power connection has to be disconnected.
- The lamp assembly has to be removed.

Necessary Tools

- No tools are necessary.

Disconnecting the Lamp Power Cable

To disconnect the lamp power cable, follow the next procedure:

Step	Action	Image
1	Pull out the connector.	1
2	Take the connector between thumb and finger.	2
3	Push at the same time on both locking parts.	
4	Unplug the connectors.	

Illustrations on Disconnecting the Lamp Power Cable

The following images give an overview how to disconnect the power cable.

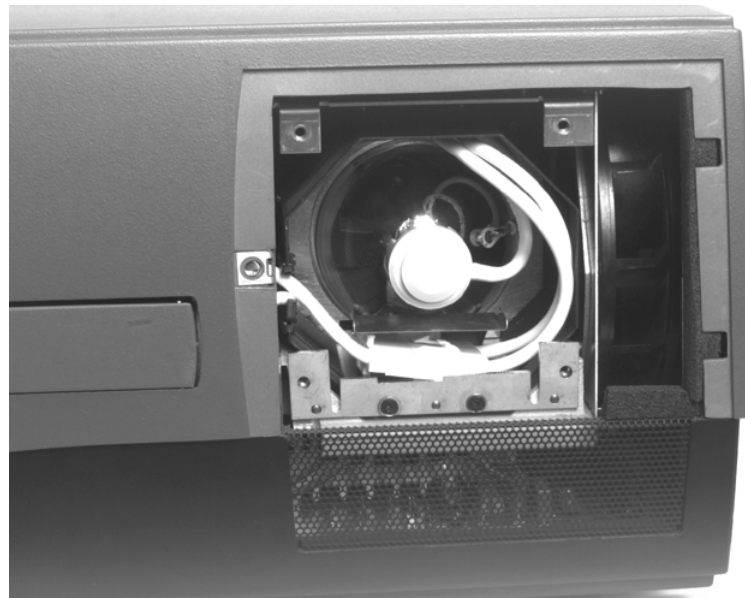


image 1

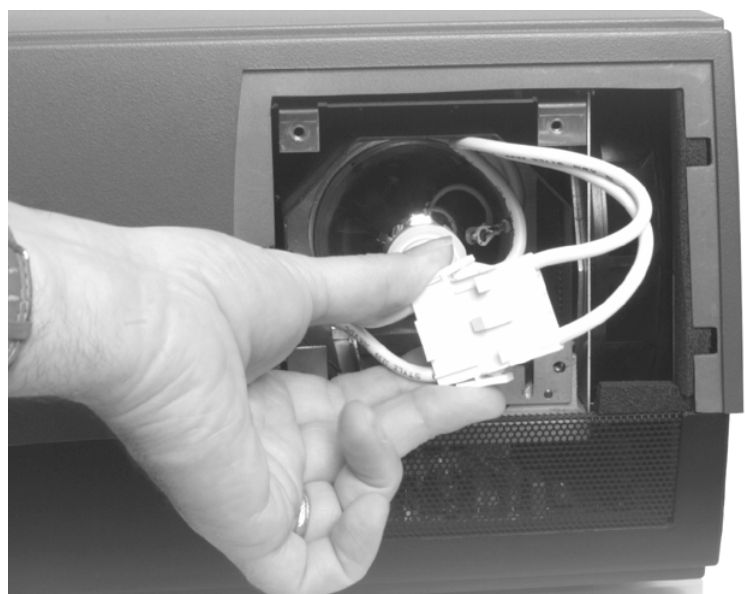


image 2

To be continued on next page.

Removing the Lamp Unit (Continued)

Removing the Lamp Assembly

To remove the lamp assembly, follow the next procedure:

Step	Action	Image
1	Slide the lamp assemble backwards	1
2	Take out the lamp assembly.	

Illustrations on Removing the Lamp Assembly

The following image gives an illustration on how to slide out the lamp.

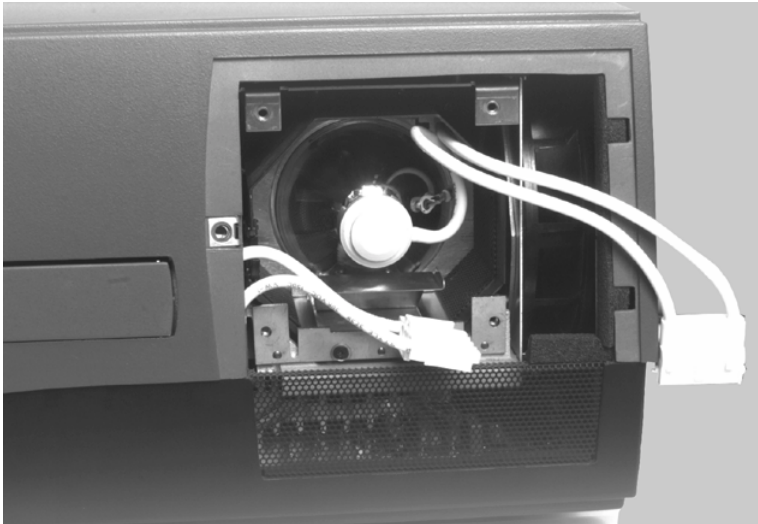


image 1



image 2

Installing the Lamp Unit.

What has to be done

- The lamp assembly has to be installed.
- Reinstall the lamp power cable.

Precautions

Do not touch the lamp with your fingers otherwise the lifetime of the lamp will be reduced.

If the lamp is touched, finger prints can be removed by cleaning the lamp with alcohol.

Installing the Lamp Assembly

To install the lamp assembly, follow the next procedure:

Step	Action	Image
1	Take the lamp assembly out of its package.	1
2	Put the lamp assembly in the lamp house.	2
3	Slide the lamp assemble forwards until fits on its place.	

Illustrations on Installing the Lamp Assembly

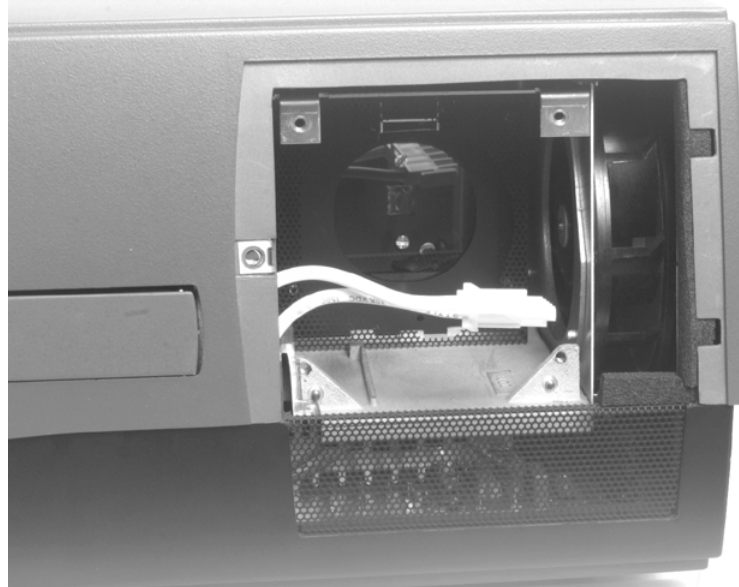


Image 1

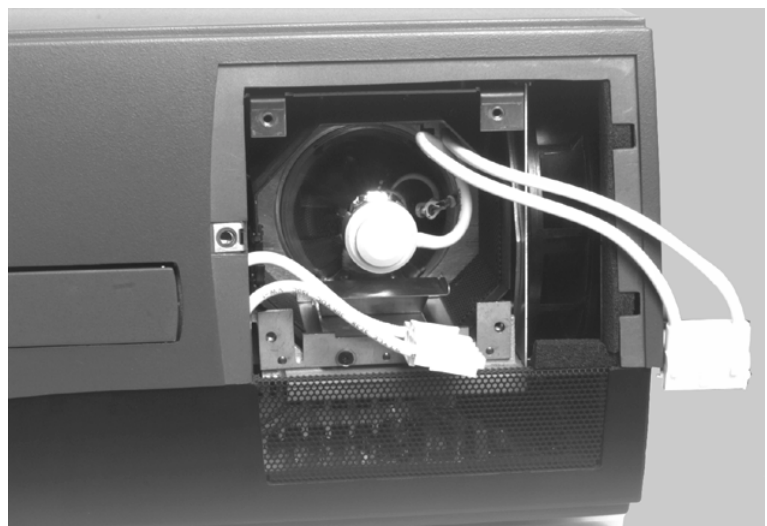


Image 2

To be continued on next page.

Installing the Lamp Unit (Continued)

Reinstall the Lamp Power Cable.

To reinstall the lamp power cable, follow the next procedure:

Step	Action	Image
1	Connect the connector at the lamp side into the connector at the power side.	1
2	Put the connector under the metal slip.	1

Warning !



To avoid a burn out of the connector, always put the connector under the metal slip !

Illustrations on Connecting Lamp Power Cable.

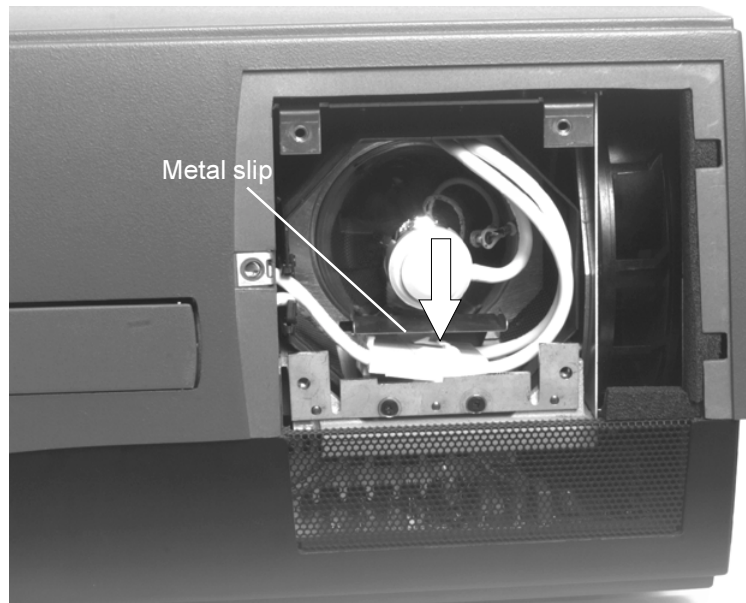


Image 1

Closing the Lamp house.

What has to be done

- The lamp protection cover has to be installed.
- The lamp house door has be closed.

Necessary Tools

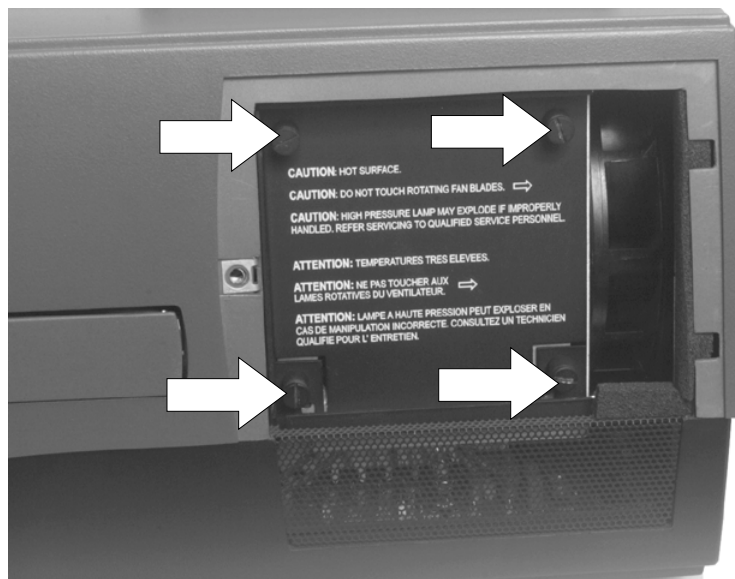
- a flat screwdriver 5 mm or a nutdriver 5.5

Installing the Protection Cover

To install the protection cover, follow the next procedure:

Step	Action	Image
1	Put the protection cover on its place.	
2	Turn in with a screwdriver the four indicated bolts.	1

Illustrations on Removing the Protection Cover



To be continued on next page.

Closing the Lamp house (Continued)

Closing the Lamp House Door.

To close the lamp house door, follow the next procedure:

Step	Action	Image
1	Hook the door on its fixing points.	1
2	Close the door.	2
3	Turn with a screwdriver a quarter turn clockwise.	

Illustrations on Closing the Lamp Door.



Image 1

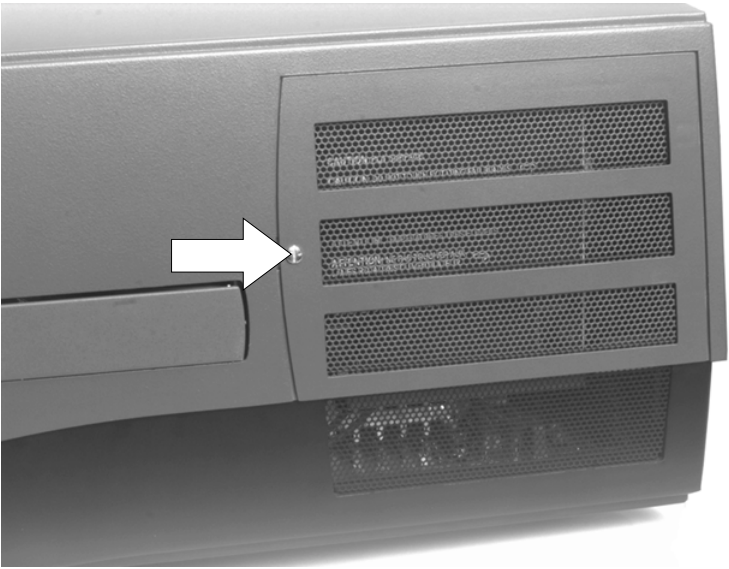


Image 2

Cleaning the Dust Filter.

What has to be done

- The projector has to be turned upside down.
- The dust filters have to be removed and cleaned.

Necessary Tools

- a flat screwdriver 5 mm.

Removing the Dust Filter

To remove the dust filter, follow the next procedure:

Step	Action	Image
1	Turn the projector upside down.	1 & 2
2	Turn out both screws of both dust filters.	
3	Clean the dust filter with a dry cloth.	
4	Re-insert the dust filter.	
5	Turn in both screws of both dust filters to secure their position.	

Illustrations

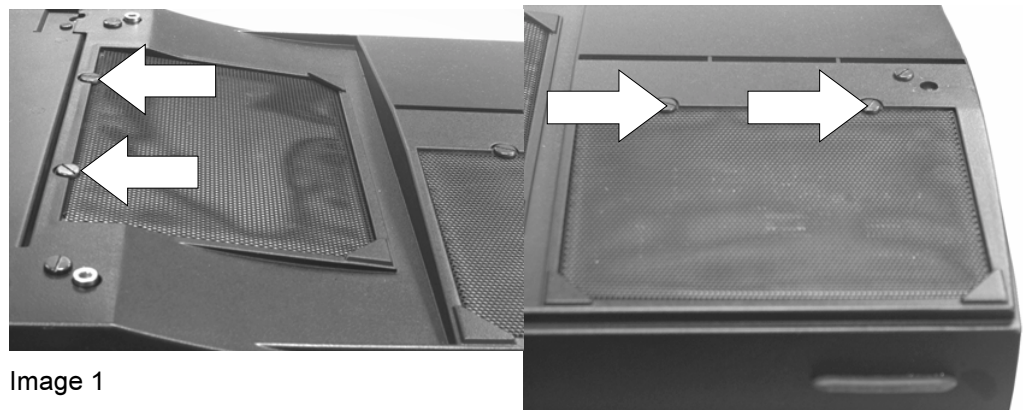


Image 1

Image 2

Reset Lamp Run Time.

What has to be done The lamp run time has to be reset to zero hours.

Necessary Tools no tools necessary

Reset Lamp Run Time To reset the lamp run time, follow the next procedure:

Step	Action	Screen menu
1	Start up the projector.	
2	Enter the adjustment mode by pushing ENTER.	
3	Select Service mode by pushing the cursor key é or ê. Press ENTER to select.	<div style="border: 1px solid black; padding: 5px;"> <p>ADJUSTMENT MODE</p> <p>Select a path from below :</p> <p>RANDOM ACCESS INSTALLATION SERVICE</p> <p>Source 01 Select with ↑ or ↓ then <ENTER> <EXIT> to return.</p> </div>
4	Select Reset Lamp Run time by pushing the cursor key é or ê. Press ENTER to select.	<div style="border: 1px solid black; padding: 5px;"> <p>SERVICE</p> <p>IDENTIFICATION CHANGE PASSWORD CHANGE LANGUAGE CHANGE PROJ. ADDRESS CHANGE BAUDRATE PC RESET LAMP RUNTIME LAMP RUNTIME HISTORY LAMP DRIVE MODE MORE</p> </div>
	A warning appears on the screen. If qualified, press ENTER. The Reset Run Time menu appears.	<div style="border: 1px solid black; padding: 5px;"> <p>WARNING</p> <p>RISK OF ELECTRICAL SHOCK</p> <p>RESET LAMP RUN TIME is reserved to qualified service personnel</p> <p><ENTER> to accept <EXIT> to return.</p> </div>
5	Enter the serial number of the new lamp with the digit keys on the RCU. Start with 0 and continue with the number written on page 4.	<div style="border: 1px solid black; padding: 5px;"> <p>RESET LAMP RUN TIME</p> <p>Enter the serial number of the new lamp :</p> <p>x x x x x x x</p> <p><ENTER> to continue <EXIT> to return.</p> </div>
6	Press ENTER to continue.	